

in which radicals R^1 to R^{17} , independently of one another, have the following meanings:

R^1 is a halogen atom, a hydroxyl group, a methyl group, a trifluoromethyl group, a methoxy group, an ethoxy group or a hydrogen atom;

R^2 is a halogen atom, a hydroxyl group, a straight-chain or branched-chain, saturated or unsaturated alkoxy group with 1 to 6 carbon atoms or a hydrogen atom;

R^4 is a halogen atom, a straight-chain or branched-chain, saturated or unsaturated alkyl group with 1 to 10 carbon atoms, a trifluoromethyl or pentafluoroethyl group, a straight-chain or branched-chain, saturated or unsaturated alkoxy group with 1 to 6 carbon atoms or a hydrogen atom;

R^7 is a halogen atom in α - or β -position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α - or β -position, a straight-chain or branched-chain, saturated or unsaturated alkoxy group with 1 to 6 carbon atoms, an optionally substituted aryl or heteroaryl radical or a hydrogen atom;

R^8 is a hydrogen atom in α - or β -position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α - or β -position or a cyano group in α - or β -position;

R^9 is a hydrogen atom in α - or β -position, a methyl, ethyl, trifluoromethyl or pentafluoroethyl group in α - or β -position;

R^{11} is a nitrooxy group in α - or β -position, a hydroxyl or mercapto group in α - or β -position, a halogen atom in α - or β -position, a chloromethyl group in α - or β -position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely

fluorinated alkyl group with 1 to 10 carbon atoms in α - or β -position, a straight-chain or branched-chain, saturated or unsaturated alkoxy or alkylthio group with 1 to 6 carbon atoms, an optionally substituted aryl or heteroaryl radical or a hydrogen atom;

R^{13} is a methyl, ethyl, trifluoromethyl or pentafluoroethyl group in β -position;

and either

R^{14} is a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α - or β -position or a hydrogen atom in α - or β -position

and

R^{15} is a halogen atom in α - or β -position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α - or β -position that can be interrupted by one or more oxygen atoms, sulfur atoms, sulfoxide or sulfone groups or imino groups = NR^{15'} wherein R^{15'} = hydrogen atom, methyl, ethyl, propyl, i-propyl; or a hydrogen atom

or

R^{14} and R^{15} together is a 14 α ,15 α -methylene or 14 β ,15 β -methylene group that are optionally substituted with one or two halogen atoms;

R^{16} is a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α - or β -position, a trifluoromethyl or pentafluoroethyl group, a cyanomethyl group or a hydrogen atom in α - or β -position;

C 2
C 2

R¹⁷ is a halogen atom in α - or β -position, a straight-chain or branched-chain, saturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α - or β -position or a hydrogen atom,

the dotted lines ----- in rings B, C and D indicate single bonds, and

the wavy lines mean the arrangement of the respective substituent in α - or β -position,

excluding the compounds *estra-1,3,5(10)-triene-3,16 α -diol*, *estra-1,3,5(10)-triene-3,16 β -diol*, *16 β -ethinylestra-1,3,5(10)-triene-3,16 α -diol* and *16 α -ethinylestra-1,3,5(10)-triene-3,16 β -diol*.